

Message Text

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PAGE 01 BONN 03051 181552Z

ACTION ERDA-07

INFO OCT-01 EUR-12 ISO-00 NEA-10 EB-08 NSA-01 SSM-05
AID-05 CEA-01 CIAE-00 CIEP-02 COME-00 DODE-00 FEAE-00
FPC-01 H-02 INR-07 INT-05 L-03 NSC-05 OMB-01 PM-04
USIA-15 OES-06 SP-02 SS-15 STR-04 TRSE-00 ACDA-10
/132 W

-----181930 096291 /46

R 181543Z FEB 77

FM AMEMBASSY BONN

TO AMEMBASSY CAIRO

INFO SECSTATE WASHDC 5755

AMEMBASSY PARIS

UNCLAS BONN 03051

E.O. 11652: N/A

TAGS: ENRG, TECH, TPHY, EG

SUBJECT: EGYPTIAN - FRG SOLAR ENERGY ACTIVITIES

REF: 76 CAIRO 17434

1. EMBASSY SCIOFF IN DISCUSSION WITH MINISTRY FOR ECONOMIC COOPERATION INQUIRED ABOUT CURRENT STATUS OF GERMAN SOLAR ENERGY AID EFFORTS TO EGYPT. MINISTRY FOR COOPERATION IS CURRENTLY WORKING ON A SOLAR DESALINATION AND A SOLAR COOLING PROJECT WITH EGYPT. MINISTRY OF RESEARCH AND TECHNOLOGY IS WORKING ON A 10 KW SOLAR POWERED ELECTRIC TURBINE FOR EGYPT.

2. THE DESALINATION PROJECT WILL USE THE GREENHOUSE EFFECT AND WILL INITIALLY TEST FIVE TECHNICAL VARIATIONS IN ORDER TO FIND WHICH IS BEST SUITED TO EGYPTIAN REQUIREMENTS. THE SOLAR COOLING PROJECTS WILL USE A HEAT PUMP PRINCIPLE AND WILL BE GEARED TOWARD CREATING "COOL HOUSES" PRIMARILY FOR THE PRESERVATION OF FOOD.

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3. THE 10 KW ELECTRIC TURBINE SHOULD BE READY IN THE FIRST HALF OF THIS YEAR FOR DEMONSTRATION IN EGYPT. FLAT COLLECTORS WILL BE USED WITH SOLAR HEAT PIPES TO RAISE FLUID TEMPERATURE TO 100 DEGREES C, THEN A FOCUSING COLLECTOR WILL BE USED TO RAISE THE FLUID TEMPERATURE TO 140-150 DEGREES C FOR POWERING THE

TURBINE GENERATOR.

4. BOTH THE MINISTRY FOR COOPERATION AND THE
MINISTRY FOR RESEARCH AND TECHNOLOGY ARE IN CONTACT
WITH DR. SAQR. SOURCES AT THE MINISTRY FOR COOPERA-
TION PUT THE COST OF THE PROJECTS AT WELL OVER
DM 5 MILLION AND WERE NOT CLEAR ABOUT A DM 1.5
MILLION DONATION SEPARATE FROM THE PROJECTS ABOVE.

STOESSEL

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: SCIENTIFIC COOPERATION, SOLAR POWER, PROGRAMS (PROJECTS)
Control Number: n/a
Copy: SINGLE
Sent Date: 18-Feb-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977BONN03051
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Film Number: D770059-0177
Format: TEL
From: BONN
Handling Restrictions: n/a
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Legacy Key: link1977/newtext/t19770229/aaaaazeb.tel
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Reference: 76 CAIRO 17434
Retention: 0
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Review Content Flags:
Review Date: 01-Dec-2004 12:00:00 am
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Review Release Date: n/a
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SAS ID: 3285974
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Subject: EGYPTIAN - FRG SOLAR ENERGY ACTIVITIES
TAGS: ENRG, TECH, TPHY, EG
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